CLAIM AMENDMENTS

- 16. (currently amended) A cutting element as defined in claim <u>1251</u>, further comprising an axially engageable structure.
- 17. (currently amended) A cutting element as defined in claim 1651, wherein said axially engageable structure is a generally circular groove formed in the mounting structure.
- 18. CANCEL CLAIM 18.
- 19. CANCEL CLAIM 19.
- 26. CANCEL CLAIM 26.
- 27. CANCEL CLAIM 27.
- 28. CANCEL CLAIM 28.
- 29. CANCEL CLAIM 29.
- 30. CANCEL CLAIM 30.
- 51. (currently amended) A replaceable cutting element suitable to be for use mounted on the body of a earth-boring drag bit off center from the axis of rotation of said bit, the element comprising:
 - a contact structure including a cutting tip structure and a cutting tapered structure,

 the tip structure and the tapered structure being concentric with the overall
 element.
 - a mounting structure supporting the tip and tapered structure;
 the contact structure is generally conical surrounding the tip structure bilaterally symmetric with a generally obtuse included angle of the tapered structure.
- 52. CANCEL CLAIM 52
- 53. (currently amended) A cutting element as in claim 51, wherein a portion of the tip structure is harder than 92 on the Rockwell A Scale and an outer portion of the tapered structure is softer than 92 on the Rockwell A Scale.
- 54. CANCEL CLAIM 54

- 55. (currently amended) A cutting element as in claim 51, wherein the trip tip structure comprises a point.
- (currently amended) A cutting element as in claim 51, including an engagable structure comprising:a non-cylindrical surface suitable for the engagement of engagable by an extraction
- 57. (original) A cutting element as set forth in claim 51, including:a conical helical screw thread on the mounting structure concentric with the contact structure of the element.
- 58. (original) A cutting element as in claim 51, wherein at least a portion of said tip structure is fabricated from one of a group of materials comprising diamond, a nitride of a metallic element, a carbide of a metallic element, an oxide of a metallic element carbide, a boride of at least one metallic element, a silicide of a metallic element, and carbon nitride.
- 59. (currently amended) An elongated self-locking replaceable cutting element suitable-for use mounted on the body of a rotary earth-boring drag bit off center_from the axis of rotation of said bit, the element comprising:
 - a contact structure comprising a cutting tip structure;
 - a mounting structure carrying the contact structure, and;
 - a conical helical screw thread on the mounting structure wherein: the cutting tip
 structure and the mounting structure are formed generally along the same axis, and
 a portion of said cutting tip structure is generally bilaterally symmetrical in at least
 three equally spaced radial directions from the axis of the element.
- 60. (currently amended) A cutting element as claimed in claim 59, wherein the included angle of the conical helix is between ½° and 60°.

tool.

- on the body of an earth-boring drag bit off center from the axis of rotation of said bit, the element comprising:
 - a contact structure including a cutting tip structure and a cutting tapered structure formed generally along the same axis;
 - a mounting structure carrying said cutting tip and tapered structure;
 - a non-cylindrical structure for the engagement and removal of the element;
 - a first material of wear resistance on the cutting tip, and;
 - a second region of material of a second wear resistance on the tapered structure fully surrounding and supporting the first material wherein: the wear resistance of said first material is greater than the wear resistance of said second material, said tapered structure surrounds and generally converges with said tip structure; and,
 - a portion of said first material is generally contained within said second material;
 a portion of the mounting structure is generally symmetrical in at lease three
 equally spaced radial directions, and;
 - the axis of the mounting structure is generally aligned with the axis of the tapered structure.
- 62. (original) A cutting element as in claim 61, wherein said first material is in the form of a column positioned on the axis of the contact structure.
- 63. (previously amended) A cutting element as in claim 61 wherein the cross-sectioned area of said material of first hardness is less than 10% of the total cross-sectioned areas of the contact structure.